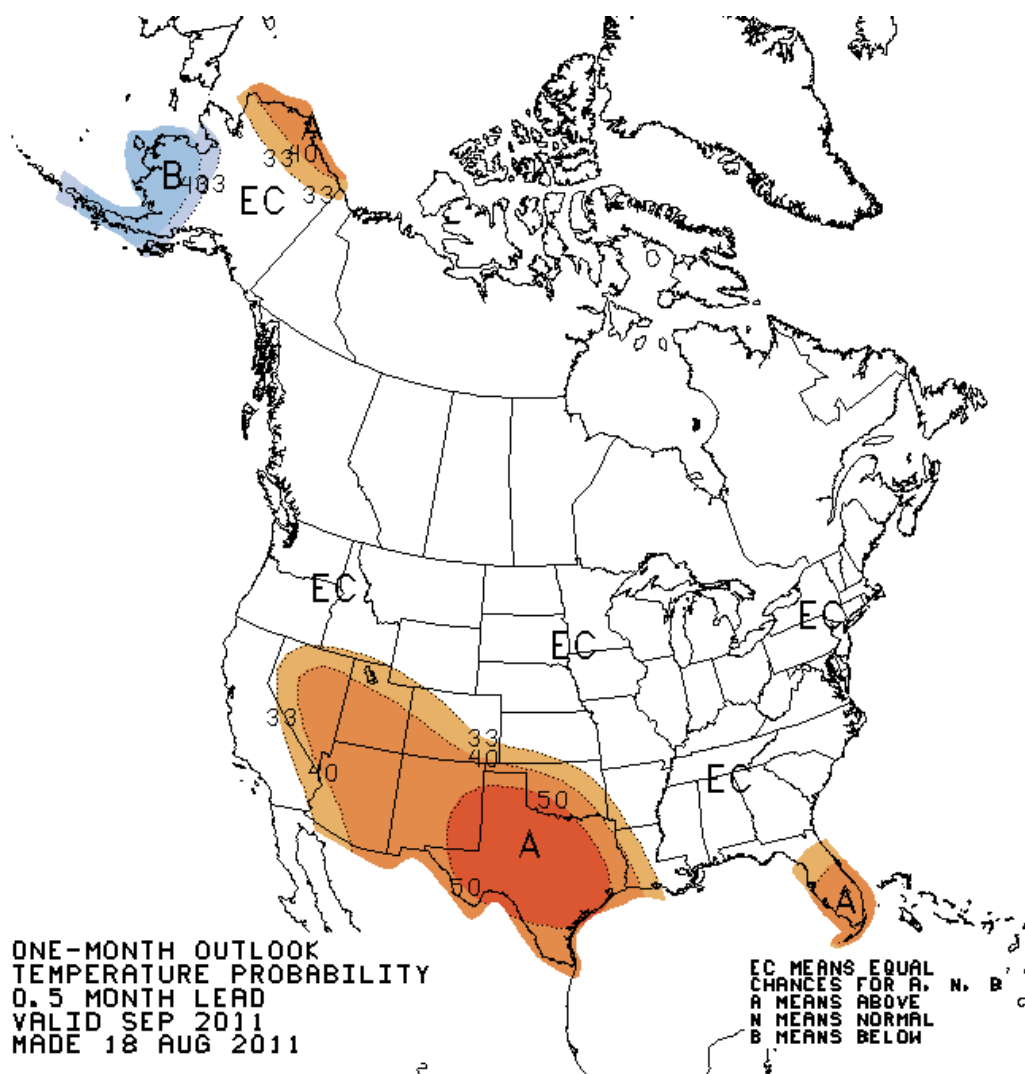


North Central United States September & September-October-November 2011 Climate Prediction Center (CPC) Climate Outlook and Summary

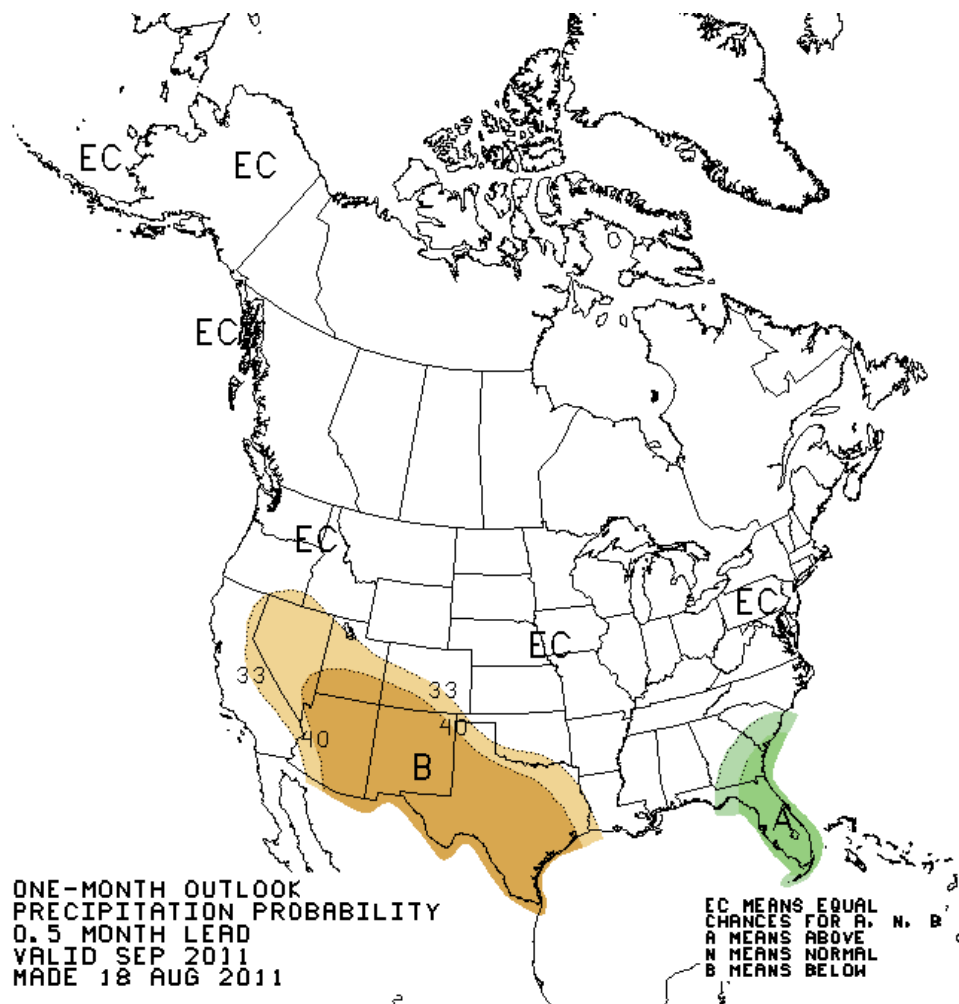
September Temperature Outlook:

The North Central United States has indeterminate chances of above-normal, near-normal and below-normal temperatures during September; or stated another way, a 33% chance of above-normal temperatures, a 33% chance of near-normal temperatures, and a 33% chance of below-normal temperatures relative to climatology.



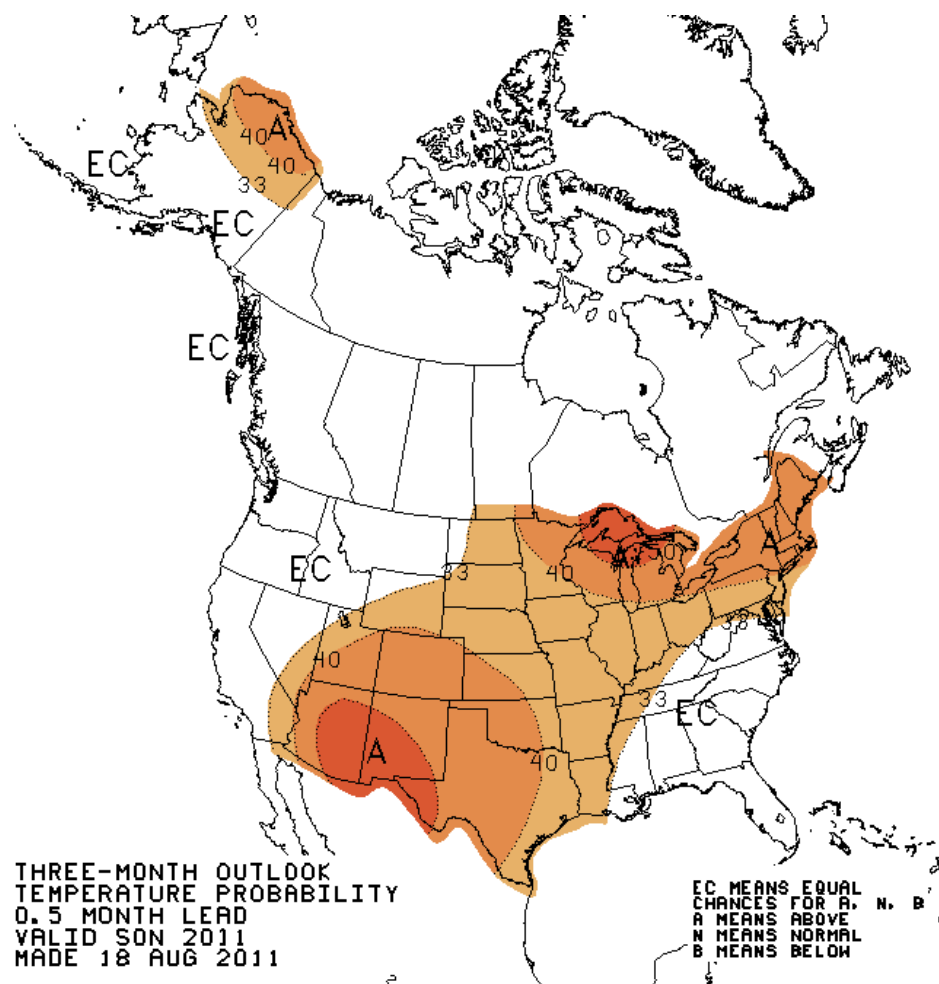
September Precipitation Outlook:

The North Central United States has indeterminate chances of above-normal, near-normal and below-normal precipitation during September; or stated another way, a 33% chance of above-normal precipitation, a 33% chance of near-normal precipitation, and a 33% chance of below-normal precipitation relative to climatology.



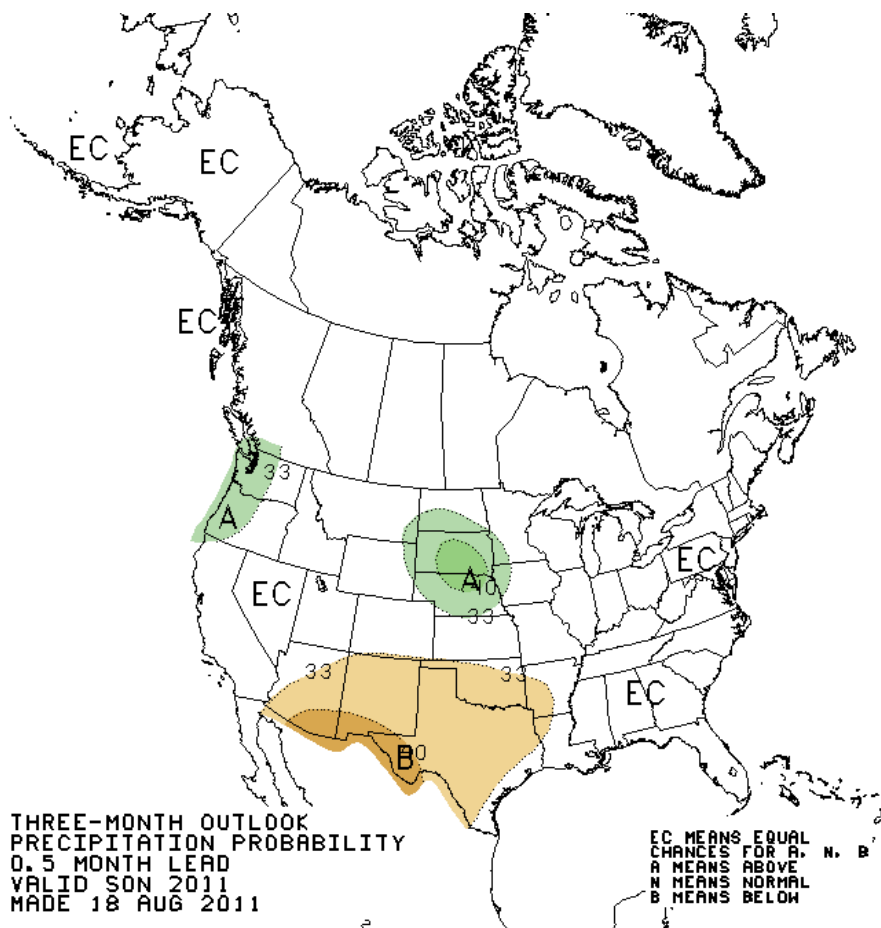
September - November Temperature Outlook:

The potential for warmer than normal temperatures covers most of the region for this period. There will be a 40% to 50% chance of above-normal temperatures for September through November for northeastern Minnesota (with a 33% chance of near-normal temperatures, and a 17% to 27% of below-normal temperatures relative to climatology). The remainder of the region has a higher than usual chance of above normal temperatures; with a 33% to 40% chance of temperatures warmer than normal relative to climatology (with a 33% chance of temperatures near normal, and a 27% to 33% chance of temperatures colder than normal). The one exception will be over far western North Dakota where there are indeterminate chances of above-normal, near-normal, or below-normal temperatures through the period.



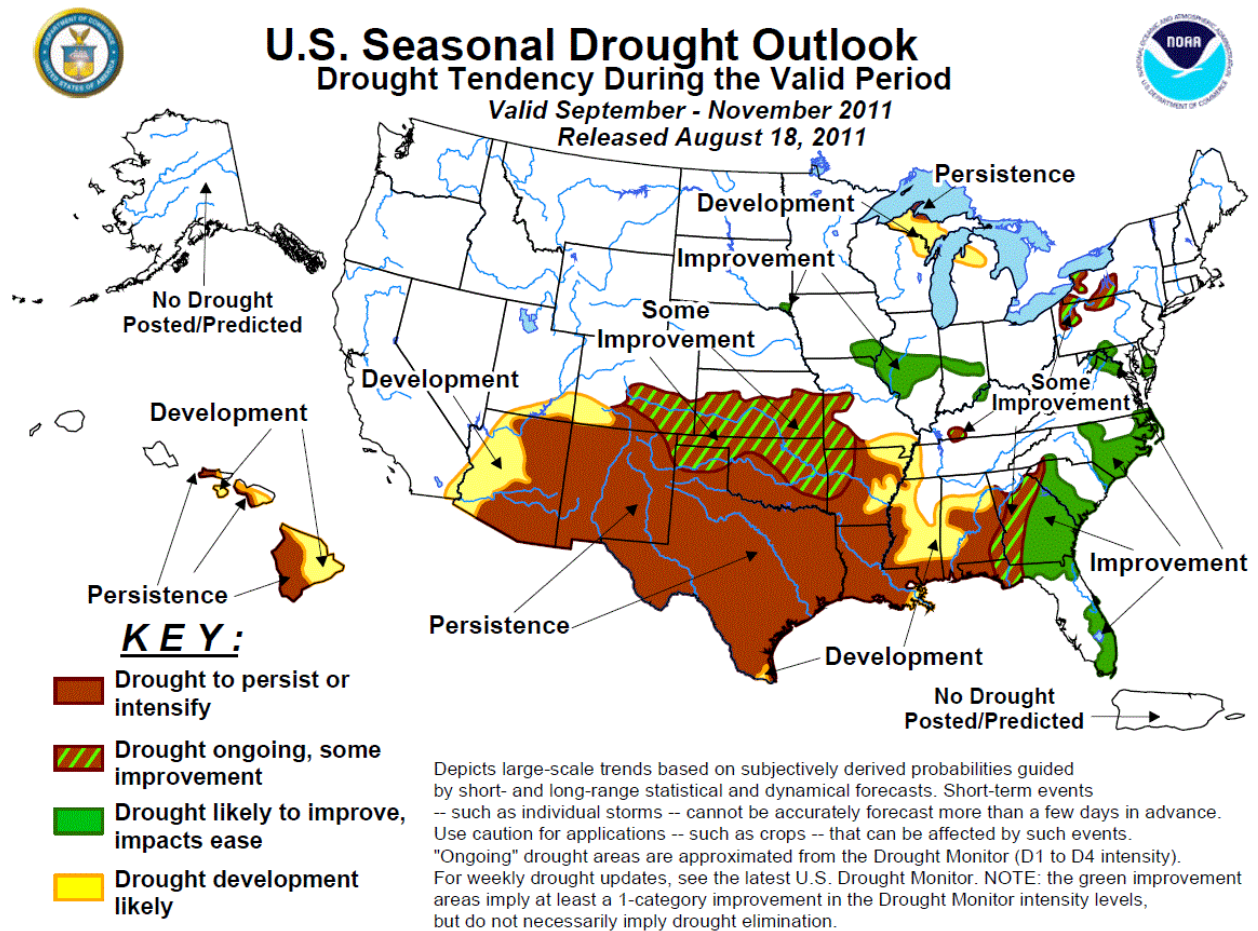
September – November Precipitation Outlook:

The potential for above normal precipitation extends across much of the western half of the region for the autumn. There will be a greater than 40% chance of above normal precipitation relative to climatology for south central South Dakota and north central Nebraska (with a 33% chance of near-normal precipitation and a 17% to 27% chance of below-normal precipitation). Surrounding this area, there will be a 33% to 40% chance of above normal precipitation relative to climatology (with a 33% chance of near normal precipitation, and a 27% to 33% chance of below normal precipitation) over the remainder of South Dakota, most of Nebraska, southern North Dakota, western Iowa, and southwestern Minnesota. The remainder of the region will have indeterminate chances of above-normal, near-normal and below-normal precipitation during the period.



Seasonal Drought Outlook

The most recent Seasonal Drought Outlook indicates the potential for at least a one category improvement in drought conditions for southeast Iowa, as well as in areas around Sioux Falls, South Dakota.



10 x 8.50 in

Seasonal Outlook Interpretation Guide

The outlooks indicate probability of being in three specific categories in reference to the 30-year climatology from 1971-2000, though future outlooks will be using the 30-year climatology from 1981-2010:

Temperature		Precipitation	
Social Science	Climate Science	Social Science	Climate Science
Uncommonly Cold	Below Normal Tercile	Uncommonly Wet	Above Normal Tercile
Uncommonly Warm	Above Normal Tercile	Uncommonly Dry	Below Normal Tercile
Moderate (Neither Warm Nor Cold)	Normal Tercile	Moderate (Neither Wet nor Dry)	Normal Tercile

The National Weather Service Seasonal Climate Outlooks predict the probability of conditions being among the warmest/coldest or wettest/driest terciles of years compared to the period of 1971-2000, though future outlooks will be using the 30-year climatology from 1981-2010:

Precip	Temp	Probability of Occurrence			Most likely category
		Above	Near	Below	
		80.0%-90.0%	16.7%-06.7%	03.3%	"Above"
		70.0%-80.0%	26.7%-16.7%	03.3%	"Above"
		60.0%-70.0%	33.3%-26.7%	06.7%-03.3%	"Above"
		50.0%-60.0%	33.3%	16.7%-06.7%	"Above"
		40.0%-50.0%	33.3%	26.7%-16.7%	"Above"
		33.3%-40.0%	33.3%	33.3%-26.7%	"Above"
		33.3%-30.0%	33.3%-40.0%	33.3%-30.0%	"Near Normal"
		30.0%-25.0%	40.0%-50.0%	30.0%-25.0%	"Near Normal"
		33.3%-26.7%	33.3%	33.3%-40.0%	"Below"
		26.7%-16.7%	33.3%	40.0%-50.0%	"Below"
		16.7%-06.7%	33.3%	50.0%-60.0%	"Below"
		06.7%-03.3%	33.3%-26.7%	60.0%-70.0%	"Below"
		03.3%	26.7%-16.7%	70.0%-80.0%	"Below"
		03.3%	16.7%-06.7%	80.0%-90.0%	"Below"
		33.3%	33.3%	33.3%	"Equal Chances"

